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(FILE 'HOME' ENTERED AT 08:48:47 ON 03 NOV 2006)

FILE 'REGISTRY' ENTERED AT 08:54:24 ON 03 NOV 2006

L1	1 S FUSARIELIN A/CN
L2	2 S PAECILOSPIRONE/CN
L3	1 S PHOMOPSIDIN/CN

FILE 'CAPLUS' ENTERED AT 09:44:02 ON 03 NOV 2006

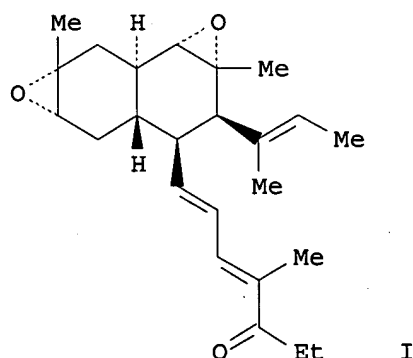
L4	606 S ASPERGILLUS SP
L5	3 S L4 (10A) ANGIOGENESIS
L6	2 S L1
L7	0 S L4 AND L1

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
 2004:193763 Document No. 140:423498 ICM0301s, new angiogenesis inhibitors from *Aspergillus* sp. F-1491. II. Physico-chemical properties and structure elucidation. Someno, Tetsuya; Kumagai, Hiroyuki; Ohba, Shun-ichi; Amemiya, Masahide; Naganawa, Hiroshi; Ishizuka, Masaaki; Ikeda, Daishiro (Microbial Chemistry Research Center, Numazu Bio-Medical Research Institute, Numazu, 410-0301, Japan). *Journal of Antibiotics*, 57(2), 104-109 (English) 2004. CODEN: JANTAJ. ISSN: 0021-8820. Publisher: Japan Antibiotics Research Association.

AB ICM0301A, B, and their congeners were previously isolated from a culture broth of *Aspergillus* sp. F-1491 as new angiogenesis inhibitors. Their structures were elucidated by spectroscopic analyses. ICM0301A and B have a substituted decalin skeleton containing two oxirane rings.

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
 2004:193762 Document No. 141:310347 ICM0301s, new angiogenesis inhibitors from *Aspergillus* sp. F-1491. I. Taxonomy, fermentation, isolation and biological activities. Kumagai, Hiroyuki; Someno, Tetsuya; Dobashi, Kazuyuki; Isshiki, Kunio; Ishizuka, Masaaki; Ikeda, Daishiro (Microbial Chemistry Research Center, Numazu Bio-Medical Research Institute, Numazu, 410-0301, Japan). *Journal of Antibiotics*, 57(2), 97-103 (English) 2004. CODEN: JANTAJ. ISSN: 0021-8820. Publisher: Japan Antibiotics Research Association.

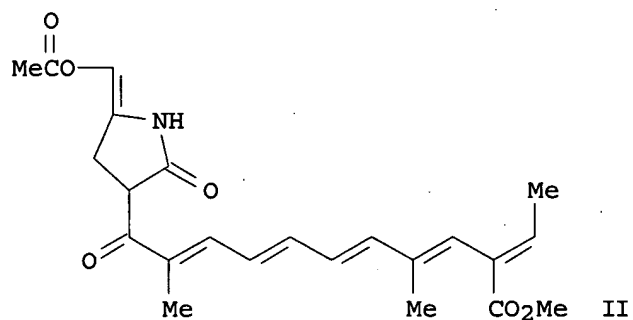
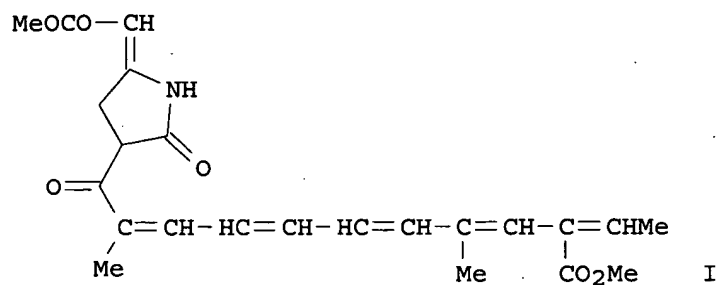
GI



AB In the course of screening program for inhibitors of angiogenesis, 8 novel substances designated as ICM0301A-H were isolated from the culture broth of *Aspergillus* sp. F-1491. ICM0301s inhibited the growth of human umbilical vein endothelial cells (HUVECs) induced by basic fibroblast growth factor (bFGF) with IC<sub>50</sub> values of 2.2-9.3 µg/mL. ICM0301A (I) showed significant anti-angiogenic activity at lower than 10 µg/mL in the angiogenesis model using rat aorta cultured in fibrin gel. ICM0301s showed very low cytotoxicity against various tumor cells. Furthermore, I did not show any toxic symptom in mice by i.p. injection at 100 mg/kg.

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
 2003:506769 Document No. 139:67872 Polyene compound, its use as angiogenesis and tumor inhibitor, and its fermentative manufacture. Nagata, Hiroyuki; Takeya, Hideaki; Konno, Hiroshi; Kanazawa, Susumu (Institute of Physical and Chemical Research, Japan; Shin Kinrui Kino Kaihatsu Kenkyusho K. K.). *Jpn. Kokai Tokkyo Koho JP 2003183249 A2 20030703*, 6 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 2001-382537 20011217.

GI



AB Title compound I or its salts are manufactured by *Aspergillus* sp. Thus, *Aspergillus* sp. BAUA3384 strain was shake-cultured in a medium containing glucose, starch, etc., at 28° for 72 h to manufacture RKB-3384HS-A (II), which inhibited VEGF-induced chemotaxis of human umbilical vein endothelial (HUVEC) cells.

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# EAST Search History

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	214	(435/256.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/03 13:08
L2	16178	angiogenesis	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:08
L3	0	1 and 2	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:08
L4	0	aspergillus near1 "sp."	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:09
L5	1015	aspergillus near1 sp	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:09
L6	105587	antibiotic	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:11
L7	9	5 near20 6	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:14
L8	568	(435/913).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/03 13:15
L9	24	5 and 8	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:41
L10	1053	(435/254.1).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/03 13:42
L11	0	("05and10").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/03 13:42

## EAST Search History

L12	21	5 and 10	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/03 13:43
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